

NOV 25 2013

MEMORANDUM

SUBJECT: Trip report, October 27 – November 9, 2013
Westlake Landfill Site, Bridgeton, Missouri

FROM: James A. Johnson, On-Scene Coordinator
Emergency Response and Removal North Branch

THRU: Dan Gravatt, Remedial Project Manager
Missouri/Kansas Remedial Branch

TO: Cecilia Tapia, Director
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On Sunday, October 27, 2013, at the request of Dan Gravatt, I traveled to Bridgeton, Missouri, to attend the Feezor Engineering, Inc. (FEI) health, safety and radiological training and oversee the PRPs' proposed Gamma Cone Penetrometer Test (GCPT) radiological sampling operations at the Westlake Landfill site. I arrived on site at 0700 hours on Monday, October 28, 2013, and discussed training, site operations and planned activities with Daniel Feezor (owner of FEI). FEI is performing the GCPT work on behalf of the PRPs, which includes clearing and establishing the road system within OU01 (the radiologically impacted area [RIM]), and GCPT testing and core sampling.

See the approved GCPT Work Plan, Revision 2, dated September 27, 2013, for an overview of the proposed work and procedures.

OSC oversight 10/29 – 11/09/2013:

R7 OSCs were asked to provide oversight of the OU01 RIM area preparation and the GCPT and core sampling phases. I was on site to monitor the initial vegetation clearing in preparation for the construction of the "main line alignment" sampling gravel pathways. This phase included bringing equipment to the site, constructing a storage area, graveling/paving roads into the OU01 RIM area, brush hogging/vegetation clearing of the site and establishing a decontamination pad. It is my understanding that FEI, at this point, is only conducting an engineering survey – there will be no isolation barrier construction or excavation in this phase. The purpose of the work is to survey an area between Bridgeton Sanitary Landfill and Westlake Landfill at and below ground surface level, using drilling and scanning equipment, to identify any radiologically-impacted material that may be present and ensure the area is suitable for future construction of the isolation barrier.

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I observed FEI building a system of temporary roads or paths across a portion of the RIM surface, on which the survey equipment (GCPT vehicle) will be able to travel. This was done to avoid unnecessary disturbance of the landfill's surface. During the clearing phase, the equipment and techniques being used for this survey were expected to generate only minimal amounts of dust. I monitored all work to ensure that any dust generated was suppressed by wetting of surfaces with water.

During this phase, I did not observe any visible emissions or fugitive dust leaving the site. This work included construction of the main alignment pathway, development of pathways 1-12 (the "finger pathways" off of the main alignment), hauling, excavating, personal and equipment decontamination being performed in accordance with procedures and protocols, performance of daily work assignments and attendance at daily site safety briefings.

During the time period from October 29 through November 9:

- Work was accomplished in the morning but rained out in the afternoon of October 29.
- Work was rained out on October 31 and November 6.
- Work was hampered due to wet weather conditions on November 5.

Shaun Muenks and Rita Alexander of Missouri Department of Natural Resources were occasionally on site and continued to monitor the air for gamma radiation and other emissions throughout this initial phase. Also, all personnel (contractor, state, federal, and local) working on the project were trained in appropriate worker health and safety protocols for the site, and followed their respective written Health and Safety Plans. I observed FEI routinely observing site safety rules and conducting daily radiological work permit procedures, scope of work briefings and completing documentation.

To my knowledge, the site was not visited by the general public or any media personnel during this time period.

All site photographs, drawings, records, and/or other actions taken that document the oversight or PRP actions can be found at: www.epaossc.org/westlakeoversightinfo.